

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016180

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ G02B5/20, B32B31/18, G02B5/30, G02F1/1335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ G02B5/20, B32B31/18, G02B5/30, G02F1/1335

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996
 Published unexamined utility model applications of Japan 1971-2005
 Registered utility model specifications of Japan 1996-2005
 Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C: DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-258488 A (Kyodo Printing Co., Ltd.JP) 2003.09.12, whole document & US2003-0007341 A1 & EP 1389901 A1	1-26
Y	JP 2003-298284 A (Kyodo Printing Co., Ltd.JP) 2003.10.17, whole document (family none)	1-26
Y	WO 02/096178 A1 (Kyodo Printing Co., Ltd.JP) 2002.11.28, whole document & US 2003-0007341 A1 & EP 1389901 A1	1-26
Y	JP 2002-324680 A (Semiconductor Energy Laboratory Co., Ltd.) 2002.11.08, whole document & US 2002-0121860 A1 & EP 1220339 A2	1-26

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

06.04.2005

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26.04.2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-217072 A (Semiconductor Energy Laboratory Co., Ltd.) 2001.08.10, whole document & US 2002-0190257 A1 & EP 1085576 A2	1-26